

GENERIC NAME:

METHYLENE BLUE

BRAND NAME: Methylene Blue

Indications

Treatment of severe symptomatic methemoglobinemia.

Mechanism

Enhances enzymatic conversion of methemoglobin to hemoglobin.

Supplied

1 % (10 mg/ml) 1 ml ampoules.

Dose

2 mg/ml (0.2 ml/kg) IV over 5 - 10 minutes. May repeat with 1 mg/kg if no change in 10 - 20 minutes. May dilute with saline.

Adverse Effects

Burning at site of injection, substernal discomfort, dysuria. May produce hemolysis in patient with G-6-PD deficiency.

Contraindications

Known glucose-6-phosphate dehydrogenase deficiency.

Documentation and Outcome

Document lack of contraindications.

Document indication for therapy (e.g., cyanosis unresponsive to oxygen and suspected methemoglobinemia).

Document dose, route of administration, time of administration, duration of administration.

Document patient response or lack thereof: LOC, vital signs, change in cyanosis.